UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/078,419	02/21/2002	Amrish K. Lal	SVL920010085US1 0920.0017	6092

23373 7590 04/07/2005	EXAMINER
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2100 PENNSYLVANIA AVENUE, N.W.	ART UNIT	PAPER NUMBER
SUITE 800	---	---
WASHINGTON, DC 20037	2145	

DATE MAILED: 04/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on *21 February 2002*.

2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
  closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) *1-29* is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) *1-29* is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☐ All   b) ☐ Some * c) ☐ None of:

   1. ☐ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____.

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage
      application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date *2-1-02*.

4) ☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form

the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

1.   Claims 1-19, 28-29 rejected under 35 U.S.C. 102(e) as being anticipated by

Glass et al. (U.S. Patent 6,253,204 referred to as Glass).

2.   For claim 1, Glass teaches, a system for correcting links to resources in a

network, comprising:

        a link checking service unit associated with a first group of resources and

configured for determining if a location of a resource among the first group of resources

has changed; and

        a link correction service unit configured for sending a request to the link checking

service to determine validity of a link, receiving a response indicating a status of the link,

and modifying a document containing the link based on the received response. (see

Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

3.   For claim 2, Glass teaches, the system of claim 1, wherein said document is a

World-Wide Web page, and said link is a hypertext link. (see Glass, Col. 4 line 56 to

Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

4.   For claim 3, Glass teaches, the system of claim 1, wherein the link checking

service unit sends a response message containing a current location of said resource if

the location of said resource has changed, and the link correction service, in response

to receiving the response message changing a document containing the link to indicate

the current location of the resource. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5

lines 20-62, Col. 6 lines12-43)

5.   For claim 4, Glass teaches, a method of correcting a link in a document,

comprising:

        sending a request to a link checking service unit to check a status of a resource

corresponding to the link;

        receiving a response to said request, the response containing an indication of a

changed location of the resource; and

        changing the document based on the indication of the changed location of the

resource. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-

43)

6.   For claim 5, Glass teaches, the method of claim 4, wherein the response further
includes a link status code indicating a status of the resource. (see Glass, Col. 4 line 56
to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

7.   For claim 6, Glass teaches, the method of claim 4, wherein the document is a
World-Wide Web page and the link is a hypertext link. (see Glass, Col. 4 line 56 to Col.
5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

8.   For claim 7, Glass teaches, the method of claim 4, wherein the link includes a
first uniform resource locator (URL) and the indication of the changed location of the
resource includes a second URL, wherein the document is changing by changing the
first URL in the link to the second URL. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col.
5 lines 20-62, Col. 6 lines12-43)

9.   For claim 8, Glass teaches, the method of claim 4, wherein the document is
changed by automatically deleting the link in the document if the response does not
include a replacement link and contains a link status code indicating that the link is
invalid.

(see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

10.   For claim 9, Glass teaches, the method of claim 4, wherein said sending a request, receiving a response, and changing the document are performed in a web server. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

11.   For claim 10, Glass teaches, an apparatus for correcting a link in a document, comprising:

a document repository having stored therein one or more documents;

a corrected document repository having stored therein one or more corrected documents;

a link correction service unit connected to the document repository and the corrected document repository, and configured to parse a link from one of the documents in the document repository, generate a request for checking the validity of the link, correct the link in response to receipt of a response message containing a corrected link, and store a corrected document having the corrected link in the corrected document repository. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

12.   For claim 11, Glass teaches, the apparatus of claim 10, wherein the apparatus is part of a web server. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

13.   For claim 12, Glass teaches, the apparatus of claim 10, wherein the link is a

hypertext link containing a uniform resource locator (URL) and the document is a web

page. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

14.   For claim 13, Glass teaches, an apparatus for correcting a link in a document,

comprising:

        means for sending a request to a link checking service unit to check a status of a

resource corresponding to the link;

        means for receiving a response to said request, the response containing an

indication of a changed location of the resource; and

        means for changing the document based on the indication of the changed

location of the resource. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62,

Col. 6 lines12-43)

15.   For claim 14, Glass teaches, a computer readable medium of instructions

suitable for execution by a computer, comprising:

        program instructions for sending a request to a link checking service to check a

status of a resource corresponding to the link;

        program instructions for receiving a response to said request, the response

containing an indication of a changed location of the resource; and

program instructions for changing the document based on the indication of the

changed location of the resource. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines

20-62, Col. 6 lines12-43)

16.   For claim 15, Glass teaches, a method for determining a status of a link in a

document, comprising:

receiving a request to determine the status of the link in the document, wherein

the link includes a location indicator of a resource;

detecting if the resource is present within a storage unit at a location indicated by

the location indicator;

determining if the resource is present at an alternate location if the resource is

not detected in the location indicated by the location indicator; and

returning an alternate location identifier indicating the alternate location of the

resource if the resource is determined to be present at the alternate location. (see

Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

17.   For claim 16, Glass teaches, the method of claim 15, wherein the link is a

hypertext link and the location indicator of the resource is a uniform resource locator

(URL). (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

18.   For claim 17, Glass teaches, the method of claim 16, wherein the resource is a

web page. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-

43)

19.   For claim 18, Glass teaches, the method of claim 16, further comprising returning

a link status code indicating whether the resource is present in the storage unit. (see

Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

20.   For claim 19, Glass teaches, the method of claim 18, wherein the link status code

indicates whether the resource has been deleted from the storage unit. (see Glass, Col.

4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

21.   For claim 28, Glass teaches, an apparatus for determining a status of a link in a

document, comprising:

        means for storing one or more resources;

        means for receiving a request to determine the status of the link in the document,

wherein the link includes a location indicator of a resource;

        means for detecting if the resource is present within said means for storing at a

location indicated by the location indicator;

        means for determining if the resource is present at an alternate location if the

resource is not detected in the location indicated by the location indicator; and

means for returning an alternate location identifier indicating the alternate location of the resource if the resource is determined to be present at the alternate location. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

22.   For claim 29, Glass teaches, a computer readable medium of instructions suitable for execution on a computer for determining a status of a link in a document, comprising:

program instructions for receiving a request to determine the status of the link in the document, wherein the link includes a location indicator of a resource;

program instructions for detecting if the resource is present within a storage unit at a location indicated by the location indicator;

program instructions for determining if the resource is present at an alternate location if the resource is not detected in the location indicated by the location indicator; and

program instructions for returning an alternate location identifier indicating the alternate location of the resource if the resource is determined to be present at the alternate location. (see Glass, Col. 4 line 56 to Col. 5 line 20, Col. 5 lines 20-62, Col. 6 lines12-43)

23.   Claims 15, 20-27 are rejected under 35 U.S.C. 102(b) as being anticipated by Laiho et al. (PCT/FI00/00074 or WO 00/46696).

24.   For claim 15, Laiho teaches, a method for determining a status of a link in a

document, comprising:

receiving a request to determine the status of the link in the document, wherein the link

includes a location indicator of a resource;

detecting if the resource is present within a storage unit at a location indicated by the

location indicator;

determining if the resource is present at an alternate location if the resource is not

detected in the location indicated by the location indicator; and

returning an alternate location identifier indicating the alternate location of the resource

if the resource is determined to be present at the alternate location. (see Laiho, page 7)

25.   For claim 20, Laiho teaches, the method of claim 15, wherein said determining if

the resource is present at an alternate location is performed by consulting a mapping

table associating a first location indicator with a second location indicator, wherein the

first location indicator indicates a prior location of the resource and the second location

indicator indicates a present location of the resource. (see Laiho, page 7)

26.   For claim 21, Laiho teaches, the method of claim 20, wherein the first and

second location indicators are uniform resource locators (URLs). (see Laiho, page 7)

27.   For claim 22, Laiho teaches, an apparatus for correcting a link in a document,

comprising:

a document repository having stored therein one or more documents;

a mapping table unit having stored therein mapping table information associating a first

prior resource-locator with a first present resource-locator, the first prior resource-

locator indicating a prior location of a first resource within the document repository and

the first present resource-locator indicating a present location of the first resource; and

a link checking service unit connected to the document repository and the mapping

table unit, and configured to locate an entry in the mapping table information based on a

requested resource-locator contained in a request for information concerning location of

the first resource, to identify the first present resource-locator stored in association with

the first prior resource-locator, and to send a response message containing the first

present resource-locator. (see Laiho, page 7)

28.   For claim 23, Laiho teaches, the apparatus of claim 22, wherein the first prior and

first present resource-locators are uniform resource locators (URLs). (see Laiho, page

7)

29.   For claim 24, Laiho teaches, the apparatus of claim 22, wherein the mapping

table further includes a second prior resource-locator indicating a location of a second

resource and a status code indicating a status of the second prior resource-locator. (see

Laiho, page 7)

30.   For claim 25, Laiho teaches, the apparatus of claim 24, wherein the status code

indicates that the second resource corresponding to the second prior resource-locator

has been deleted. (see Laiho, page 7 and 9)

31.   For claim 26, Laiho teaches, the apparatus of claim 24, wherein the status code

indicates that the second prior resource-locator indicates a present location of the

second resource in the document repository. (see Laiho, page 7 and 9)

32.   For claim 27, Laiho teaches, the apparatus of claim 22, wherein the apparatus is

part of a web server. (see Laiho, page 7)

33.   Claims 1-19, 28-29 rejected under 35 U.S.C. 102(b) as being anticipated by

Laiho et al. (PCT/FI00/00074 or WO 00/46696).

        Regarding independent claims 1, 4, 13, 14, 15, 28, 29, (e.g., exemplary independent

claim 1)

34.   For claim 1, Laiho teaches, a system for correcting links to resources in a

network, comprising:

        a link checking service unit associated with a first group of resources and

configured for determining if a location of a resource among the first group of resources

has changed; and

a link correction service unit configured for sending a request to the link checking

service to determine validity of a link, receiving a response indicating a status of the link,

and modifying a document containing the link based on the received response. (see

Laiho, page 7)

35.   Regarding dependent, 2-3, 5-12, 16-18, the limitations of these claims are

inherent to the features with in Laiho.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ajay M Bhatia whose telephone number is (571)-272-

3906. The examiner can normally be reached on M-F 8:30 am - 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Valencia M Wallace can be reached on (571)-272-6159. The fax phone

number for the organization where this application or proceeding is assigned is 703-

872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free).

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